

February 8, 2008

Chip Humphrey
Eric Blischke
U.S. Environmental Protection Agency, Region 10
805 SW Broadway, Suite 500
Portland, OR 97205

**Re: Lower Willamette River, Portland Harbor Superfund Site
USEPA Docket No: CERCLA-10-2001-0240
Monthly Progress Report for January 2008**

Dear Mssrs. Humphrey and Blischke:

This monthly status report provides information required by the Portland Harbor Superfund Site Administrative Settlement and Administrative Order on Consent (ASOC).

1. ACTIONS TAKEN IN JANUARY 2008

- The Round 3B surface sediment sampling program, initiated December 10, 2007, was concluded on January 17th. Most of the sediment chemistry testing is scheduled for completion by the end of February. Data flow from the lab to data validation through Integral is on track.
- The Round 3 lamprey ammocoete toxicity testing program was initiated with lamprey collection in late August and continued through January with laboratory toxicity testing per the procedures described in the FSP and QAPP addenda (and as modified in consultation with EPA). Testing with the final chemical, diazinon, was completed on January 20th. The toxicity testing program is considered to be complete. The laboratory is keeping the remaining ammocoetes in the holding tanks until they receive concurrence from EPA that the testing is complete. Discussions with EPA are ongoing regarding the need to analyze post-test ammocoete tissue.
- Bass, carp, and clam tissue sample homogenization for the Round 3B biota study were completed at Columbia Analytical Services in January, and subsamples were provided to Axys Analytical. The remaining analyses for the R3B biota study, with the exception of the clam tissue samples, have been initiated at CAS and are in various stages of completion. Clam samples were placed on hold at CAS pending decisions regarding the analysis of samples with limited tissue mass. EPA approved the proposed analyses on February 1, 2008, and clam tissue analysis is expected to be initiated at both laboratories in February. Analysis of the collocated sediment samples for PCB congeners by Vista Analytical continued in January and is expected to be completed in February.
- Round 3B stormwater sampling continued through January, with samples collected following precipitation events on January 9, 11, 15, 28, and 30. By the end of January, all targeted samples were collected, except WR-4 (Sulzer) where three events were planned and samples were collected for one complete event and two partial events. Stormwater-related sediment trap samples were collected during the last week of January and submitted to the laboratory for rush

analysis for total solids to determine the sample mass available for chemical analysis. The Stormwater Technical Team will meet on February 7 to discuss the sediment traps samples and completion of the program.

- The LWG provided EPA with a prioritization scheme for three fourth quarter (Q4) in-river sediment trap samples collected in November (ST4-003, -006, and -009) with insufficient volume and EPA responded with modifications, similar to the requested modifications for the third quarter event; these modifications were implemented.
- Integral is assisting the LWG in updating the City's GIS outfall layer for the RI report. Additional outfall verification took place at specific properties during rain event(s) the week of January 28th. A final GIS layer with updated outfall information will be developed in the first half of 2008.

Deliverables Approved by EPA

- None

Deliverables Submitted to EPA

- January 18, 2008: Feasibility Study Side Scan Survey Field Sampling Plan
- January 24, 2008: Round 3A Sediment Trap Sampling Quarter 4 Field Report

2. PROBLEMS ENCOUNTERED, ANTICIPATED DELAYS, AND SOLUTIONS

None.

3. RESULTS OF SAMPLING, TESTS, AND OTHER DATA RECEIVED

The following chemical analysis results were received and validated in January 2008:

Round 3 Lamprey Ammocoete Toxicity Testing Phase 2					
Lab	Analyte Group	Total # Samples for Task	Data Received January 2008	% Analysis Complete	% Validation Completed
CAS	Conventionals	6	2	83	17
CAS	Copper	32	0	100	100
CAS	Copper, dissolved	32	0	100	100
CAS	Naphthalene	63	0	100	0
CAS	Lindane	32	32	100	0
CAS	Aniline	31	0	100	0
CAS	PCP	32	32	100	0
CAS	Diazinon	33	0	0	0

Round 3 Sediment Trap (Deployed in River) Event III

Lab	Analyte Group	Total # Samples for Task	Data Received January 2008	% Analysis Complete	% Validation Completed
CAS	Conventionals	11	5	100	55
CAS	Metals	10	4	100	60
CAS	Butyltins	9	3	100	67
CAS	TPH	10	4	100	60
CAS	VOC	7	0	100	100
CAS	Dioxins	8	2	100	75
CAS	Pesticides	10	1	70	60
CAS	PCBs	11	5	100	55
CAS	SVOC	10	4	100	60
CAS	Herbicides	10	4	100	60
CAS	PAH-SIM	10	4	100	60
Vista	PCB congeners	12	12	100	0

Round 3 Sediment Trap (Deployed in River) Event IV

Lab	Analyte Group	Total # Samples for Task	Data Received January 2008	% Analysis Complete	% Validation Completed
CAS	Conventionals	17	14	82	0
CAS	Metals	17	14	82	0
CAS	Butyltins	16	14	88	0
CAS	TPH	14	14	100	0
CAS	VOC	17	17	100	0
CAS	Dioxins	17	14	82	0
CAS	Pesticides	17	14	82	0
CAS	PCBs	17	0	0	0
CAS	SVOC	16	14	88	0
CAS	Herbicides	14	14	100	0
CAS	PAH-SIM	16	14	88	0
Vista	PCB congeners	17	0	0	0

Round 3A Stormwater Outfalls - Sediment Traps

Lab	Analyte Group	Total # Samples for Task	Data Received January 2008	% Analysis Complete	% Validation Completed
CAS	Conventionals	27	27	100	0
CAS	Metals	8	8	100	0
CAS	Pesticides	17	0	0	0
CAS	Herbicides	8	8	100	0
CAS	PAH-SIM	12	12	100	0
CAS	Phthalate esters	12	12	100	0
Vista	PCB congeners	24	12	50	50

Round 3B Stormwater Outfalls (November 2007 Storm Events I, II, III)

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Completed
			January 2008		
CAS	Conventionals	12	12	100	0
CAS	Metals	13	13	100	0
CAS	Metals dissolved	12	12	100	0
CAS	Pesticides	2	2	100	0
CAS	Herbicides	8	8	100	0
CAS	PAH-SIM	11	11	100	0
CAS	Phthalate esters	3	3	100	0
Vista	PCB congeners	8	0	0	0

Round 3B Biota

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Completed
			January 2008		
Axys	Dioxins	101	0	0	0
Axys	Pesticides	101	10	10	0
Axys	PCB congeners	101	0	0	0
Axys	Lipids	101	0	0	0
CAS	Metals	101	0	0	0
CAS	Butyltins	100	0	0	0
CAS	SVOC	100	0	0	0
CAS	Alkylated PAH	15	0	0	0
CAS	PAH-SIM	101	0	0	0

Round 3B Biota - Collocated Sediment

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Completed
			January 2008		
CAS	Conventionals	32	30	94	0
CAS	Metals	32	30	94	0
CAS	Butyltins	32	30	94	0
CAS	Dioxins	32	21	66	0
CAS	Pesticides	32	16	50	0
CAS	PCBs	32	30	94	0
CAS	SVOC	32	30	94	0
CAS	Alkylated PAH	32	30	94	0
Vista	PCB congeners	32	0	0	0

Round 3B Surface Sediment

Lab	Analyte Group	Total # Samples for Task	Data Received January 2008	% Analysis Complete	% Validation Completed
CAS	Conventionals	205	150	73	0
CAS	Metals	205	150	73	0
CAS	TPH	205	150	73	0
CAS	Dioxins	52	23	44	0
CAS	Pesticides	205	12	6	0
CAS	PCBs	205	99	48	0
CAS	SVOC	205	150	73	0
CAS	Alkylated PAH	205	150	73	0
Vista	PCB congeners	73	0	0	0

4. SCHEDULE FOR THE NEXT FOUR MONTHS

Work described in the ASOC that is potentially planned for February, March, April, and May 2008 includes the following:

- February 2008: Round 3A Sturgeon Sampling Data Report
- February 2008: Round 3B Biota Field Sampling Report
- March 2008: Feasibility Study Mobility Testing Field Sampling Plan
- March 2008: Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Report
- April 2008: Round 3 Phase 2 Lamprey Toxicity Testing Report
- May 2008: In-River Sediment Trap Data Report

Submittal dates for pending products currently under preparation by LWG and scheduled for submittal in upcoming months are listed in Table 1.

5. DOCUMENTS AND ISSUES AWAITING EPA RESPONSE

EPA comments or approvals have not been received on several documents that have been submitted to EPA as required by the ASOC; these and other documents are listed in Table 1. The LWG requests document approvals to verify that the terms of the ASOC are being met and issues are resolved to maintain progress on the RI/FS.

If you have any questions, please give me a call at (360) 705-3534.

Sincerely,



Gene C. Revelas
RI/FS Coordinator

Copies: Jim Anderson, ODEQ (email only)
 Dick Pedersen, ODEQ (email only)
 Rick Kepler, ODFW (email only)
 Ted Buerger, USFWS (email only)
 Rob Neely, NOAA (email only)
 Ben Shorr, NOAA (email only)
 Preston Sleeper, DOI (email only)
 Brian Cunninghame, Confederated Tribes of Warm Springs (email only)
 Rose Longoria, Confederated Tribes of Yakama Nation (email only)
 Jeff Baker, Confederated Tribes of Grand Ronde (email only)
 Tom Downey, Confederated Tribes of Siletz (email only)
 Audie Huber, Confederated Tribes of Umatilla (email only)
 Erin Madden, Nez Perce Tribe (email only)
 Sheila Fleming, Ridolfi (email only)
 LWG Repository

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Round 1			
Conceptual Site Model Update	9/17/2004	Submitted; EPA comments received 1/13/2005	
Revised Conceptual Site Model Update Site Summaries	10/10/2005	Summaries submitted 10/10/2005 for Gasco, Triangle Park, ExxonMobil, Marcom, Arkema, Gunderson, & Foss Brix	EPA comments not anticipated
Remaining Revised Conceptual Site Model Update Site Summaries	2/28/2007	Summaries for Rhone-Poulenc and Siltronic submitted on 2/28/2007.	4/30/2007
Conceptual Site Model Update - Remaining Upland Site Summaries	First batch: 3/8/2005	First batch submitted on 3/8/2005	First batch: 5/8/2005
	Second batch: 3/8/2005	Second batch submitted on 3/8/2005	Second batch: 5/8/2005
	Third batch: 4/26/2005	Third batch submitted on 4/26/2005	Third batch: 6/27/2005
	Fourth batch: 4/26/2005	Fourth batch submitted on 4/26/2005	Fourth batch: 6/27/2005
	Fifth batch: 5/31/2005	Fifth batch submitted on 5/31/2005	Fifth batch: 8/1/2005
	Sixth batch: 5/31/2005	Sixth batch submitted on 5/31/2005	Sixth batch: 8/1/2005
	Seventh batch: 9/1/2005	Seventh batch submitted on 9/2/2005	Seventh batch: 10/31/2005
	Last batch: 2/28/2007	Last batch submitted 2/28/2007	Last batch: 4/30/2007

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Compilation of Information for Sources Between RM 11 and 11.6 East Bank of Portland Harbor</i>	November 2007	Submitted to EPA and DEQ 11/21/2007	
Round 2 Biota			
<i>Revised Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	11/23/2005	Submitted 11/23/2005; approved with conditions on 12/6/2005; a final QAPP addendum is required	12/8/2005
<i>Final Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	TBD	On 2/9/2006, the LWG submitted a response to EPA's comments on the 11/23/2005 version of the QAPP addendum. The LWG has not heard back from EPA on that response. The LWG believes that a final QAPP in not required.	
Hydro/Sed Modeling			
<i>Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling for the Lower Willamette River</i>	12/8/2006	Submitted 12/8/2006: EPA comments received 4/3/2007	
<i>Revised Sedflume Data Use Technical Memorandum</i>	July 2007	Submitted 7/26/2007	EPA comments and conditioned approval received 9/20/2007

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Groundwater Pathway			
<i>Draft Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan</i>	4/22/2005	Submitted 4/22/2005; EPA comments received 6/3/2005	
<i>Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan - Response to EPA Comments</i>	TBD	This response to comments is on hold pending resolution of ongoing TZW framework discussions with EPA related to Round 3 data gap identification.	
<i>Revised Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan (including Appendix A - Site Summaries and Appendix B - Pilot Study Data Report)</i>	TBD	Revision of the Round 2 GWPA SAP is on hold pending resolution of ongoing TZW framework discussions with EPA related to Round 3 data gap identification.	
<i>Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</i>	4/29/2005	Submitted 4/29/2005; EPA comments received 6/10/2005	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Revised Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</i>	No longer needed	The only seep determined to pose a potentially complete exposure pathway is discharge from Outfall 22B. The existing data from Outfall 22B include the upland COIs and meet the data quality requirements for risk evaluation (Category 1/QA2). Based on the Round 2 Report evaluations, no additional seep data are needed. Therefore, this FSP is no longer needed."	
<i>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 2: Transition Zone Water FSP</i>	3/27/2006	Redline version submitted 3/27/2006; final to be submitted following approval or comments from EPA	4/28/2006
<i>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 3: Supplement to QAPP Addendum 3</i>	10/7/2005	Submitted 10/7/2005: Conditional approval of proposed changes to the QAPP addendum received from EPA on 9/30/2005.	
<i>Revised Transition-Zone Water FSP Addendum 1 Sampling Plans for ExxonMobil, Siltronic, Gasco, and Arkema</i>	3/27/2006	Submitted 3/27/2006	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Revised Transition-Zone Water FSP Addendum 2</i>	3/27/2006	Submitted 3/27/2006	
Natural Attenuation			
<i>Step 2 Natural Attenuation Evaluation Report</i>	No longer needed	EPA's proposed fate and transport modeling approach will provide the needed evaluation on monitored natural recovery (MNR). We propose that model be used to identify any further MNR data gaps and evaluations once it is up and running.	
Tech Memos			
Revised TRV Selection TM	10/23/2004	Submitted; EPA comments received 3/18/2005. On 6/10/2005, EPA directed the LWG to submit the final TRV Selection TM with the PRE.	
Second Revision Preliminary Risk Evaluation Approach TM	1/7/2005	Submitted; EPA comments received 3/4/2005. On 6/10/2005, EPA directed the LWG to submit the final PRE approach TM with the PRE.	
Comprehensive ERA Approach TM	6/27/2004	Submitted; EPA comments received 10/1/2004	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Revised Comprehensive ERA Approach TM	TBD	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	
Process for Derivation of PRGs TM	1/20/2005	Submitted; EPA comments received 6/30/2006; a revised tech memo is not required.	3/21/2005
<i>Response to EPA Comments on Process for Derivation of PRGs TM</i>	9/1/2006	Submitted 9/1/2006	
<i>Draft Approach to Determining Background for the Portland Harbor Superfund Site</i>	3/3/2006	Submitted 3/3/2006; EPA comments received 6/5/2006; revised tech memo required.	5/2/2006
<i>Revised Approach to Determining Background for the Portland Harbor Superfund Site</i>	7/20/2006	LWG response to EPA comments was submitted on 7/14/2006. Further discussion with EPA is required before the tech memo can be revised.	
<i>Process for Delineating the Extent of Contamination Upstream and Downstream of the ISA</i>		The approach for Delineating the Extent of Contamination Upstream and Downstream of the ISA will be provided in the Draft RI Report	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>COPC Selection Interim Deliverable</i>	~1/23/2006	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	
Ecological Risk Assessment			
Ecological Preliminary Risk Evaluation (PRE)	9/9/2005	Submitted 9/9/2005; EPA comments received 4/28/2006, a revised PRE is not required	11/8/2005
Bioassay Data Report	4/15/2005	Submitted 4/8/2005	6/7/2005; EPA comments not anticipated
<i>Round 2 Benthic Assessment Interpretation Report</i>	3/17/2006	Submitted 3/17/2006; EPA comments received 7/6/2006	5/16/2006
<i>Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>	11/4/2005	Submitted 11/4/2005; EPA comments received 3/10/2006	1/3/2006
<i>Response to EPA comments on Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>	4/21/2006	Submitted 4/21/2006	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Revised Ecological Water Screening Levels</i>	5/26/2006	Submitted 5/25/2006; directive EPA comments received 9/15/2006, and a correction to the xylene AWQC on 9/27/06. Additional revisions were submitted on 10/13/2006.	7/9/2006; delay in receipt of EPA comments or approval of this submittal will impact the project schedule
Feasibility Study			
<i>2003 Sediment Stake Results Report</i>	4/16/2004	Submitted	EPA comments not anticipated
Draft Disposal Site Inventory Preliminary Screening Report	7/12/2004	Submitted	9/10/2004; project schedule not yet impacted by lack of comments on this submittal
Facility Siting Re-Screen Report	TBD, Work Plan submittal deadline is 3/14/2005	In a 2/8/2006 meeting, EPA stated that it agreed to delete this deliverable.	
Literature Survey of Treatability Studies	October 2007	Submitted 10/31/2007	<u>Jan-08</u>
<u>Mobility Testing FSP</u>	<u>March 2008</u>	<u>A preliminary technical memo proposal for mobility testing was submitted to EPA on December 11, 2007. Comments from EPA were received on January 24, 2008. EPA requested a 30 day turnaround for the FSP. LWG has asked EPA for 60 days.</u>	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Mobility Testing QAPP</i>	<u>April 2008</u>	<u>see previous item</u>	
<i>Side-scan Sonar FSP</i>	January 2008	<u>Submitted 1/18/08</u>	

General Field/Data/RI Reporting			
<i>Validated Analytical Results</i>	90 days following completion of each sampling activity		
<i>Round 2 Surface Sediment Field Sampling Report</i>	1/4/2005	Submitted	3/7/2005; EPA comments not anticipated
<i>Round 2A Subsurface Sediment Field Sampling Report</i>	1/10/2005	Submitted	3/11/2005; EPA comments not anticipated
<i>Round 2A Event 1 Surface Water Field Sampling Report</i>	1/31/2005	Submitted	4/1/2005; EPA comments not anticipated
<i>Round 2A Winter 2005 Surface Water Field Sampling Report</i>	5/16/2005	Submitted	7/15/2005; EPA comments not anticipated
<i>Round 2A Summer 2005 Surface Water Field Sampling Report</i>	9/19/2005	Submitted	11/19/2005; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 Subyearling Chinook Tissue Collection Field Sampling Report</i>	7/18/2005	Submitted 7/18/2005	9/16/2005; EPA comments not anticipated
<i>Round 2 Multiplate Tissue Field Sampling Report</i>	11/23/2005	Submitted 11/23/2005	1/13/2006; EPA comments not anticipated
Draft Round 2 Sediment Site Characterization Summary Report	7/15/2005	Submitted 7/15/2005	9/13/2005; EPA comments not anticipated
<i>Draft Round 2 Surface Water Data Report for November 2004 and March 2005 Sampling Events</i>	10/17/2005	Submitted 10/17/2005	12/16/2005; EPA comments not anticipated
<i>Round 2B Subsurface Sediment Field Sampling Report</i>	12/28/2005	Submitted 12/29/2005	2/24/2006; EPA comments not anticipated
<i>Round 2 Transition Zone Water Field Sampling Report</i>	1/31/2006	Submitted 1/31/2006	4/3/2006; EPA comments not anticipated
<i>Round 2 Benthic Invertebrate Field Sampling Report</i>	2/20/2006	Submitted 2/20/2006	4/21/2006; EPA comments not anticipated
Round 2 Surface Water Site Characterization Summary Report	4/24/2006	Submitted 4/24/2006	6/23/2006
<i>Round 2 Juvenile Chinook Tissue Data Report</i>	3/31/2006	Submitted 3/31/2006	5/29/2006; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2A Surface Sediment PCB Congeners Data Report</i>	4/10/2006	Submitted 4/10/2006	6/9/2006; EPA comments not anticipated
<i>Round 2A Archived Subsurface Sediment Data Report</i>	5/5/2006	Submitted 5/8/2006	7/7/2006; EPA comments not anticipated
<i>Round 2B Subsurface Sediment Data Report</i>	5/22/2006	Submitted 5/22/2006	7/21/2006; EPA comments not anticipated
<i>Round 2 Multiplate Invertebrate Tissue Data Report</i>	6/12/2006	Submitted 6/12/2006	8/11/2006; EPA comments not anticipated
<i>Round 2 Hydrodynamic/Sediment Transport Modeling Data Collection Field Sampling Report</i>	6/19/2006	Submitted 6/19/2007	10/2/2006; EPA comments not anticipated
<i>Round 2 Benthic Tissue and Sediment Data Report</i>	9/6/2006	Submitted 9/6/2006	11/6/2006; EPA comments not anticipated
<i>Round 2 Transition Zone Water Site Characterization Summary Report</i>	8/7/2006	Submitted 8/7/2006	11/6/2006
Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report	2/21/2007	Submitted 2/21/2007	EPA written comments on full report anticipated by January 2008

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
ROUND 3			
SURFACE WATER			
<i>Round 3 January 2006 High-flow Event Surface Water Field Sampling Report</i>	3/22/2006	Submitted 3/27/2006	5/22/2006; EPA comments not anticipated
<i>Round 3 January 2006 Surface Water Sampling Event Data Report</i>	10/23/2006	Submitted 10/23/2006	12/22/2006; EPA comments not anticipated
<i>Round 3A September 2006 Low-flow Event Surface Water Sampling Field Sampling Report</i>	12/8/2006	Submitted 12/8/2006	2/6/2007; EPA comments not anticipated
<i>Round 3A November 2006 Stormwater Runoff Event Surface Water Sampling Field Sampling Report</i>	1/15/2007	Submitted 1/15/2007	3/16/2007; EPA comments not anticipated
<i>Round 3A 2007 High Flow Surface Water Field Sampling Report</i>	5/9/2007	Submitted 04/30/07	TBD; EPA comments not anticipated
<i>Round 3A Surface Water Data Report for September 2006 Low-flow Event add November 2006 Stormwater Runoff Event</i>	5/21/2007	Submitted 5/21/2007	TBD; EPA comments not anticipated
<i>Round 3A 2007 High Flow Surface Water Data Report</i>	October 2007	Submitted 10/15/2007	TBD; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
TZW			
<i>Gunderson TZW Field Sampling Plan</i>	August 2007	Submitted 08/16/07; revised Tech Approach memo submitted 10/10/2007	EPA comments received on 9/20/2007; EPA approval on revised FSP received on 10/11/07
<i>Round 3 Gunderson TZW Field Sampling Report</i>	December 2007	Submitted 12/21/07	TBD; EPA comments not anticipated

BIOTA			
<i>Revised FSP: Round 3 Sampling for Pre-Breeding White Sturgeon (Acipenser transmontanus) Tissue</i>	12/22/2006	Submitted 12/22/2006; approved by EPA with conditions on 2/15/2007	1/22/2007
<i>Round 3 Lamprey Ammocoete Tissue Collection Field Sampling Report</i>	12/15/2006	Submitted 12/15/2006	2/16/2007; EPA comments not anticipated
<i>Round 3 Sturgeon Field Sampling Report</i>	5/7/2007	Submitted 05/07/07	TBD; EPA comments not anticipated
<i>Round 3 Lamprey Ammocoete Phase 1 Toxicity Testing Data Report (and comment responses)</i>	4/6/2007	Submitted 04/06/07	6/8/2007

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3 Lamprey Toxicity Testing FSP Addendum</i>		Submitted 07/09/07; response to comments submitted 08/10/07; revised FSP and QAPP addenda submitted 9/12/2007	EPA comments received 07/20/07; EPA approval received 08/17/07; EPA comments on revised FSP/QAPP addenda not anticipated
<i>Round 3 Biota Sampling FSP</i>	8/10/2007	Submitted 08/10/07; revised FSP submitted 10/26/2007	EPA comments and conditional approval on draft received 8/17/07; EPA approval on final FSP received 12/3/07
<i>Round 3B QAPP Addendum 9 for Biota Sampling</i>	October 2007	Submitted 10/31/07	EPA approval received 12/3/07
<i>Round 3 Lamprey Ammocoete Tissue Testing Data Report</i>	August 2007	Submitted 08/24/07	TBD; EPA comments not anticipated
<i>Juvenile Lamprey Tissue Data Interpretation Memorandum</i>	September 2007	Submitted 09/12/07	TBD
<i>Round 2 Mussels Data Report</i>	October 2007	Submitted 10/1/2007	
<i>Round 3 Phase 2 Lamprey Toxicity Testing Report</i>	April 2008	Data report within 120 days of completion of each phase of testing per Phase 1 FSP.	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3B Biota Field Sampling Report</i>	February 2008	<u>Planned for submittal 2/11/08</u>	
<i>Round 3 Sturgeon Data Report</i>	2/13/2008	90 days after tissue sampling and analyses per FSP. Final data rec'd 11/13/07	
STORMWATER			
<i>Round 3A Field Sampling Plan: Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	
<i>Round 2 QAPP Addendum 8: Round 3A Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	
<i>Round 3A Upland Stormwater Field Sampling Report</i>	December 2007	Submitted 12/05/07	1/31/2008
<i>Round 3A Stormwater FSP Addendum</i>	November 2007	Submitted 11/2/07	Approved by EPA 11/6/07
<u><i>Stormwater Field Sampling Report</i></u>	<u>6/15/2008</u>		
<u><i>Stormwater Site Characterization Summary Report</i></u>	<u>TBD</u>		
<i>Stormwater Loading Estimate Methods Report</i>	None		TBD

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>SEDIMENT</i>			
<i>Round 3A Sediment Upstream / Downstream Field Sampling Report</i>	4/9/2007	Submitted 04/09/07	TBD; EPA comments not anticipated
<i>Round 3B Field Sampling Plan: Sediment Sampling and Benthic Toxicity Testing</i>		Submitted 5/4/2007	TBD;
<i>Upriver and Multnomah Channel Sediment Evaluation and Field Sampling Plan Technical Approach</i>		Submitted 5/25/2007	TBD
<i>Draft Round 3B Surface and Core Sediment FSP Preliminary Technical Memorandum</i>		Submitted 5/25/2007	TBD
<i>Draft Round 3B Erosion Core Sediment FSP Technical Memorandum</i>	August 2007	Submitted 8/29/07	TBD
<i>Round 3A Sediment Upstream / Downstream Data Report</i>	8/6/2007	Submitted 7/30/07	TBD; EPA comments not anticipated
<i>Round 3A Sediment Radioisotope Data Report</i>	November 2007	Submitted 11/16/07	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Plan</i>	November 2007	Submitted 11/5/07; submitted revised maps, tables, App. A-11 (Hist. Rd) 12/17/07	11/9/07 conditional approval
<i>Round 3B QAPP Addendum 10 for Sediment Sampling</i>	November 2007	Submitted 12/17/07	
<u><i>Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Report</i></u>	<u>March 2008</u>	<u>Planned for submittal 3/16/08</u>	
SEDIMENT TRAP (IN-RIVER)			
<i>Round 3A Sediment Trap Sampling Quarter 1 Field Report</i>	April 2007	Submitted 04/16/07	TBD; EPA comments not anticipated
<i>Round 3A Sediment Trap Sampling Quarter 2 Field Report</i>	August 2007	Submitted 08/07/07	TBD; EPA comments not anticipated
<i>Round 3A Sediment Trap Sampling Quarter 3 Field Report</i>	October 2007	Submitted 10/25/2007	
<i>Round 3A Sediment Trap Sampling Quarter 4 Field Report</i>	January 2008	<u>Submitted 1/24/08</u>	
<i>Sediment Trap Data Report</i>	5/7/2008		6/30/2008

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
FATE & TRANSPORT			
<i>Draft Chemical Fate & Transport Model Development and Data Gaps Identification Report</i>	July 2007	Submitted 7/20/2007; response to comments being prepared by the LWG	EPA comments received 10/15/07
<i>F&T Surface Sediment FSP – Addendum to 3B Sediment FSP</i>	December 2007	Submitted 12/10/07	EPA comments received 1/2/08. <u>1/16/08 LWG agreed with EPA not to perform the sampling</u>

Cultural Resources			
Draft Cultural Resource Survey Report	12/16/2005	Submitted 12/16/2005	2/14/2006; EPA comments not time-critical at this point in the project

Notes:

¹ - **Bolded Deliverables** are primary deliverables per Section XIX., Paragraph 4 of AOC (EPA 2001a).

Unbolded Deliverables are secondary deliverables per Section XIX, Paragraph 5 of AOC.

Italicized Deliverables do not have stipulated penalty amounts.

² - Listed Submittal Deadlines are for draft documents. Unless otherwise specified, all final documents are due to EPA 30 days following receipt of comments from EPA.

Only deliverables due within the next four months are shown.

Deliverable completed and approved by EPA.

Deliverable submitted to EPA and its partners.

Underlining indicates text change from last progress report.